



Safety Data Sheet

acc. to OSHA HCS

Printing date 04/17/2023

Reviewed on 04/17/2023

1 Identification

- **Product identifier:**
- **Trade name:** TOTALBOAT ALUMINUM BOAT PAINT - WHITE
- **Product code:** TB-0632, TB-1795
- **Details of the supplier of the safety data sheet**
- **Distributor:**
TOTALBOAT LLC
17 Peckham Drive
Bristol, RI 02809
(800) 497-0010
- **Emergency telephone number:** INFOTRAC: 800-535-5053

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Toxic to Reproduction 1B H360 May damage fertility or the unborn child.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
N-methyl-2-pyrrolidone
- **Hazard statements**
May damage fertility or the unborn child.
- **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

US

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/17/2023

Reviewed on 04/17/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - WHITE

(Contd. of page 1)

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

13463-67-7	titanium dioxide	2.5-10%
872-50-4	N-methyl-2-pyrrolidone	≥0.1-≤2.5%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If irritation occurs, get medical assistance.
- **After swallowing:** If symptoms persist consult doctor. Do not induce vomiting.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

13463-67-7	titanium dioxide	30 mg/m ³
872-50-4	N-methyl-2-pyrrolidone	30 ppm
121-44-8	triethylamine	1 ppm
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/17/2023

Reviewed on 04/17/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - WHITE

(Contd. of page 2)

21645-51-2	aluminium hydroxide	8.7 mg/m ³
546-93-0	Magnesite	45 mg/m ³
556-67-2	octamethylcyclotetrasiloxane	30 ppm
9005-00-9	Polyoxyethylene stearyl ether	5.7 mg/m ³
· PAC-2:		
13463-67-7	titanium dioxide	330 mg/m ³
872-50-4	N-methyl-2-pyrrolidone	32 ppm
121-44-8	triethylamine	170 ppm
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³
21645-51-2	aluminium hydroxide	73 mg/m ³
546-93-0	Magnesite	260 mg/m ³
556-67-2	octamethylcyclotetrasiloxane	68 ppm
9005-00-9	Polyoxyethylene stearyl ether	63 mg/m ³
· PAC-3:		
13463-67-7	titanium dioxide	2,000 mg/m ³
872-50-4	N-methyl-2-pyrrolidone	190 ppm
121-44-8	triethylamine	1,000 ppm
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³
21645-51-2	aluminium hydroxide	440 mg/m ³
546-93-0	Magnesite	1,600 mg/m ³
556-67-2	octamethylcyclotetrasiloxane	130 ppm
9005-00-9	Polyoxyethylene stearyl ether	380 mg/m ³

7 Handling and storage

- **Handling:**
 - **Precautions for safe handling** Open and handle receptacle with care.
 - **Information about protection against explosions and fires:** Keep respiratory protective device available.
 - **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:** No special requirements.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** Keep receptacle tightly sealed.
 - **Specific end use(s)** No further relevant information available.
 - **Instructions for use:**
- Stir well before using.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/17/2023

Reviewed on 04/17/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - WHITE

(Contd. of page 3)

At this time, the remaining constituent has no known exposure limits.

872-50-4 N-methyl-2-pyrrolidone

TLV	BEI
WEEL	Long-term value: 10 ppm
	Skin

· **Ingredients with biological limit values:****872-50-4 N-methyl-2-pyrrolidone**

BEI	100 mg/L
	Medium: urine
	Time: end of shift
	Parameter: 5-Hydroxy-N-methyl-2-pyrrolidone

· **Additional information:** The lists that were valid during the creation were used as basis.· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.

· **Breathing equipment:** Not required.· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form:	Liquid
Color:	White
Odor:	Characteristic
Odor threshold:	Not determined.

· **pH-value:** Not determined.

(Contd. on page 5)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/17/2023

Reviewed on 04/17/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - WHITE

(Contd. of page 4)

· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not applicable.
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
· Density at 20 °C (68 °F):	1.16 g/cm ³ (9.6802 lbs/gal)
· Relative density	Not determined.
· Vapor density	Heavier than (Air)
· Evaporation rate	Slower than (n-Butyl Acetate)
· Solubility in / Miscibility with Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· Solvent content:	
VOC content:	3.24 % 37.6 g/l / 0.31 lb/gal
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
13463-67-7 titanium dioxide		
Oral	LD50	>20,000 mg/kg (rat)

(Contd. on page 6)

US

Safety Data Sheet

acc. to OSHA HCS

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Reviewed on 04/17/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - WHITE

(Contd. of page 5)

Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
13463-67-7	titanium dioxide	2B
14807-96-6	Talc (hydrous magnesium silicate)	3
7631-86-9	silicon dioxide, chemically prepared	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

US

(Contd. on page 7)

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(Contd. of page 6)

14 Transport information

· UN-Number	
· DOT, IMDG, IATA	Not applicable/Not regulated
· UN proper shipping name	
· DOT, IMDG, IATA	Not applicable/Not regulated
· Transport hazard class(es)	
· DOT, ADN, IMDG, IATA	
· Class	Not applicable/Not regulated
· Packing group	
· DOT, IMDG, IATA	Not applicable/Not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Not applicable/Not regulated

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture	No further relevant information available.
· Sara	
· Section 355 (extremely hazardous substances):	
	None of the ingredients is listed.
· Section 313 (Specific toxic chemical listings):	
872-50-4	N-methyl-2-pyrrolidone
121-44-8	triethylamine
· TSCA (Toxic Substances Control Act):	
	All ingredients are listed.
· Hazardous Air Pollutants	
121-44-8	triethylamine
· Proposition 65	
· Chemicals known to cause cancer:	
	None of the ingredients is listed.
· Chemicals known to cause reproductive toxicity for females:	
	None of the ingredients is listed.
· Chemicals known to cause reproductive toxicity for males:	
	None of the ingredients is listed.
· Chemicals known to cause developmental toxicity:	
872-50-4	N-methyl-2-pyrrolidone
· Carcinogenic categories	
· EPA (Environmental Protection Agency)	
	None of the ingredients is listed.

(Contd. on page 8)

Safety Data Sheet

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Reviewed on 04/17/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - WHITE

(Contd. of page 7)

· **TLV (Threshold Limit Value)**

13463-67-7	titanium dioxide	A4
121-44-8	triethylamine	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7	titanium dioxide
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· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).· **Hazard pictograms**

GHS08

· **Signal word** Danger· **Hazard-determining components of labeling:**

N-methyl-2-pyrrolidone

· **Hazard statements**

May damage fertility or the unborn child.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

IF exposed or concerned: Get medical advice/attention.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 04/17/2023· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Toxic to Reproduction 1B: Reproductive toxicity – Category 1B